

Abstract

A flow completion system for controlling the flow of fluid from a well bore, the flow completion system comprising a tubing spool which includes a central bore that extends axially therethrough and a production outlet which

5 communicates with the central bore; a tubing hanger which is supported in the central bore and which includes a production bore that extends axially therethrough and a production passageway that communicates between the production bore and the production outlet, the tubing hanger supporting a tubing string which extends into the well bore and defines a tubing annulus surrounding

10 the tubing string; a first closure member which is positioned in the production bore above the production passageway; a first annular seal which is positioned between the tubing hanger and the central bore above the production passageway; wherein the first closure member and the first seal comprise a first pressure-containing barrier between the well bore and a surrounding environment;

15 a second closure member which is positioned in the production bore above the first closure member; and a second annular seal which is positioned between the tubing hanger and the central bore above the first seal; wherein the second closure member and the second seal comprise a second pressure-containing barrier between the well bore and the environment; and

20 wherein both the first and the second barriers are associated with the tubing hanger.